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(54) DUAL ENERGY DECOMPOSITION USING AUTOMATICALLY DETERMINED CANCELLATION PARAMETERS

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378/98.11, 98.9

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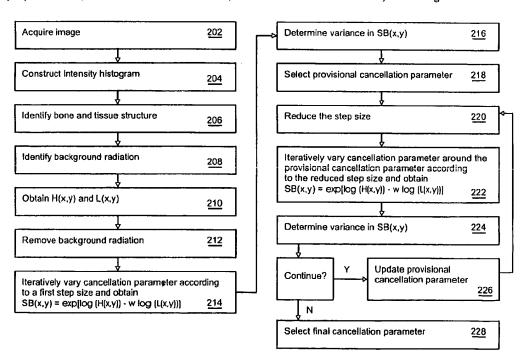
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(57) ABSTRACT

A method for determining a suggested value for a cancellation parameter for a dual energy decomposition includes obtaining a first energy level image of internal structure, obtaining a second, lower, energy level image of the internal structure, and iteratively processing the images to determine a provisional value for the cancellation parameter. The iteration includes varying a cancellation parameter in a cancellation equation, obtaining a structure cancelled image from the first and second energy level images according to the cancellation equation, and evaluating a cancellation metric from the structure cancelled image. The provisional cancellation parameter may then be chosen (e.g., as the value that approximately minimizes a variance cancellation metric). Further iterations may be performed around the provisional cancellation parameter to refine the provisional cancellation parameter into a final cancellation parameter.

36 Claims, 2 Drawing Sheets



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